

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 6    | ((("6404145") or ("5078476") or ("7098903"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/09/24 12:50 |
| L2    | 1    | 11/441047   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 12:58 |
| L3    | 5    | ("20030076079" "20030214242" "20030214242" "20040130556" "20050007770" "20050007770" "5777862").PN.   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 13:00 |
| L4    | 3    | "6977642"   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 13:03 |
| L5    | 9    | "6693619"   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 13:04 |
| L6    | 15   | ("5838294"   "5844540"   "6008929"   "6232963"   "6268844"   "6292182"   "6340970"   "6380932").PN. OR ("6693619").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2010/09/24 13:05 |
| L7    | 4    | ((("6404145") or ("5078476"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2010/09/24 13:23 |
| L8    | 40   | ("4758799"   "4792857"   "4848876"   "4985638"   "4985662"   "5006933").PN. OR ("5078476").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2010/09/24 13:24 |
| L9    | 1    | 10/811892   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 13:53 |
| L15   | 28   | ("20010013854" "20010022584" "20030038770" "20030151601" "20030214478" "20030214478" "20040012551" "20040160435" "5078476" "5731794" "5745092" "6184875" "6211918" "6275267" "6327000" "6348910" "6404145" "6535217" "6545688" "6545688" "6577348" "6678005" "6678005" "6766222" "6891525" "6891525" "6924843" "7057668" "7091947" "7098903" "7098903" "7119786" "7119786" "7180514").PN. | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 14:29 |
| L18   | 10   | (back41light near4 control OR inveter) same off   | US-PGPUB;<br>USPAT  | OR               | ON      | 2010/09/24 14:38 |
| L19   | 36   | ("2803744"   "3351714"   "3513264"   "3555424"   "3634627").PN. OR ("3894194").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2010/09/24 14:38 |

## EAST Search History (Prior Art)

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| L20 | 34 | ("3894194"   "4567590"   "4581486"  <br>"5003576"   "5423061"   "5463546"  <br>"5495357"   "5497100"   "5577032"  <br>"5764747"   "5832229"   "6006117"  <br>"6014429"   "6073103"   "6081815"  <br>"6104923"   "6128381"   "6185433"  <br>"6195751"   "6201974"   "6223286"  <br>"6230007"   "6288739"   "6396814").PN. OR<br>("6757531").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/09/24 14:38 |
|-----|----|--|------------------------------|----|----|------------------|

## EAST Search History (Prior Art)

|  |     |   |                                 |    |                  |        |
|--|-----|---|---------------------------------|----|------------------|--------|
| L21  | 206 | ("2070418"   "2808504"   "2941038"  <br>"3150374"   "3230458"   "3332016"  <br>"3341776"   "3348150"   "3471646"  <br>"3497627"   "3499995"   "3505479"  <br>"3529243"   "3532985"   "3534264"  <br>"3546684"   "3564147"   "3573379"  <br>"3576398"   "3601545"   "3626295"  <br>"3631520"   "3634627"   "3639739"  <br>"3641274"   "3643031"   "3644678"  <br>"3654395"   "3683116"   "3710027"  <br>"3740476"   "3742498"   "3750024"  <br>"3806879"   "3812430"   "3818453"  <br>"3820112"   "3824543"   "3827052"  <br>"3829670"   "3836726"   "3864524"  <br>"3889063"   "3891959"   "3894194"  <br>"3922496"   "3932821"   "3959595"  <br>"3982241"   "4004226"   "4009343"  <br>"4009344"   "4009345"   "4009347"  <br>"4013840"   "4020332"   "4020461"  <br>"4021616"   "4027243"   "4031330"  <br>"4048443"   "4051332"   "4054753"  <br>"4058713"   "4064378"   "4071711"  <br>"4079371"   "4086536"   "4100377"  <br>"4109101"   "4112372"   "4121158"  <br>"4129749"   "4133976"   "4143246"  <br>"4171467"   "4184049"   "4193031"  <br>"4208632"   "4215244"   "4216354"  <br>"4220819"   "4222115"   "4229822"  <br>"4236254"   "4251865"   "4253188"  <br>"4256925"   "4272845"   "4301530"  <br>"4309764"   "4320517"   "4328585"  <br>"4335446"   "4354057"   "4355304"  <br>"4357700"   "4363002"   "4365338"  <br>"4377860"   "4389722"   "4397019"  <br>"4398062"   "4411007"   "4414661"  <br>"4418409"   "4425639"   "4430743"  <br>"4437087"   "4437183"   "4443661"  <br>"4445213"   "4449250"   "4455649"  <br>"4462108"   "4466129"   "4470141"  <br>"4472832"   "4476575"   "4477913"  <br>"4480328"   "4481640"   "4488144"  <br>"4489413"   "4495619").PN. OR ("4503510"<br>  "4507781"   "4510595"   "4519073"  <br>"4525835"   "4531235"   "4538234"  <br>"4550424"   "4550443"   "4562572"  <br>"4567591"   "4578815"   "4584693"  <br>"4587662"   "4597105"   "4599490"  <br>"4608711"   "4613990"   "4622680"  <br>"4625308"   "4628506"   "4630257"  <br>"4630314"   "4637036"   "4638479"  <br>"4639914"   "4642806"   "4644534"  <br>"4644535"   "4656653"   "4675863"  <br>"4709390"   "4741018"   "4742550"  <br>"4754450"   "4755994"   "4771425"  <br>"4777633"   "4785450"   "4788681"  <br>"4797947"   "4811420"   "4817089"  <br>"4825448"   "4843612"   "4843621"  <br>"4864566"   "4882770"   "4893317"  <br>"4910705"   "4918746"   "4974099"  <br>"5022024"   "5051991"   "5119375"  <br>"5121334"   "5121335"   "5119375" | US-PGPUB; OR<br>USPAT;<br>USOCR | ON | 2010/09/24 14:39 |        |
| 9/24/2010 2:40:14 PM C:\Documents and Settings\G...Documents\BASF\Workspaces\0811892.wsp |     |   |                                 |    |                  | Page 3 |

## EAST Search History (Prior Art)

|    |       |   |   |    |    |                  |
|----|-------|---|---|----|----|------------------|
| S1 | 1298  | 345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 13:56 |
| S2 | 11083 | inverter and (converter or ADC) and<br>controller and clock | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 13:59 |
| S3 | 37    | S1 and S2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:08 |
| S4 | 12838 | scaler  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:08 |
| S5 | 1     | S3 and S4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:11 |
| S6 | 72484 | pwm or ("pulse width modulation")                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:47 |
| S7 | 9186  | "horizontal synchronization"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:50 |
| S8 | 5709  | "horizontal synchronization signal"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/03 14:50 |

## EAST Search History (Prior Art)

|     |      |                                   |   |    |     |                  |
|-----|------|-----------------------------------|---|----|-----|------------------|
| S9  | 36   | S8 and S1                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/03 14:51 |
| S10 | 311  | S8 and S6                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/03 14:51 |
| S11 | 12   | S10 and S1                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/03 14:51 |
| S12 | 1300 | 345/102.ccls.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:38 |
| S13 | 2    | ("5790096").PN.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/08 09:39 |
| S14 | 2    | ("6417833").PN.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/08 09:43 |
| S15 | 0    | inverter and (backlight near3 on) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:44 |
| S16 | 0    | inverter and (backlight near5 on) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:44 |

## EAST Search History (Prior Art)

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S17 | 3540 | inverter and backlight   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:44 |
| S18 | 111  | inverter and backlight and "horizontal synchronization"                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:45 |
| S19 | 7    | inverter and backlight and "horizontal synchronization" and (mode near3 change)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:52 |
| S20 | 51   | inverter and backlight and "horizontal synchronization" and (on\$1off)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 09:54 |
| S21 | 10   | ((("6727681") or ("5745092") or ("20020130830") or ("20030038770") or ("7019728")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/08 09:59 |
| S22 | 71   | "signal converter" and scaler and inverter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:13 |
| S23 | 2    | ("20010022584").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/08 10:03 |
| S24 | 1    | "signal converter" and scaler and inverter and S12                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:13 |

## EAST Search History (Prior Art)

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S25 | 4     | converter and scaler and inverter and S12                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:16 |
| S26 | 18    | converter and format and inverter and S12                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:40 |
| S27 | 8     | scaler and inverter and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:43 |
| S28 | 2     | "20050174818"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:44 |
| S29 | 8     | ((("6188181") or ("5828178") or ("6804129")<br>or ("6958919"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/08 10:45 |
| S30 | 24136 | inverter and on\$off  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 10:56 |
| S31 | 76    | S12 and S30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 11:02 |
| S32 | 212   | 345/3.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 11:02 |

## EAST Search History (Prior Art)

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S33 | 3     | S12 and S32   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 13:28 |
| S34 | 53701 | mode near2 change   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 13:59 |
| S35 | 76463 | S34 S30   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 14:00 |
| S36 | 29    | S34 and S12   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/08 14:00 |
| S37 | 11    | (( "4112334" ) or ( "5828178" ) or ( "6188181" )<br>or ( "6804129" ) or ( "6958919" ) ).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/09 13:56 |
| S38 | 1     | "4112334".PN.   | USPAT;<br>USOCR   | OR | ON  | 2007/05/09 14:22 |
| S39 | 1     | "6804129".PN.   | USPAT;<br>USOCR   | OR | ON  | 2007/05/09 14:53 |
| S40 | 578   | converter and scaler and inverter   | USPAT;<br>USOCR   | OR | ON  | 2007/05/09 14:53 |
| S41 | 45    | S40 and lcd   | USPAT;<br>USOCR   | OR | ON  | 2007/05/09 15:22 |
| S42 | 2     | ( "5847697" ).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/10 09:50 |
| S43 | 2     | ( "20040212580" ).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/10 09:50 |



## EAST Search History (Prior Art)

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S44 | 10     | ("20040036708"   "5583529"   "6307530"   "6327000"   "6356260"   "6437764"   "6480180"   "6535217"   "6535264"   "6545688").PN. OR ("7098903").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/05/10 09:52 |
| S45 | 694114 | (pulse width modulation or pwm) and horizontal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:41 |
| S46 | 1470   | 345/211.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:39 |
| S47 | 398    | S46 and S45  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:39 |
| S48 | 113    | S47 and inverter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:40 |
| S49 | 258307 | "on or off" or on\$off   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:40 |
| S50 | 50     | S48 and S49  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:40 |
| S51 | 8728   | ("pulse width modulation" or pwm) and horizontal   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 11:19 |
| S52 | 55     | S46 and S51  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:42 |

## EAST Search History (Prior Art)

|     |       |  |               |   |    |    |                  |
|-----|-------|--|---------------|---|----|----|------------------|
| S53 | 9     |  | S48 and S52   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 10:42 |
| S54 | 1388  | ("pulse width modulation" or pwm) and<br>backlight                         |               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 11:20 |
| S55 | 22    |  | S46 and S54   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/10 11:20 |
| S56 | 48    | 345/3.1.ccls. and (mode near6 select\$5)                                   |               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:02 |
| S57 | 79    |  | 345/533.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:04 |
| S58 | 153   |  | 345/1.2.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:27 |
| S59 | 21225 | (PC or computer) and (display near3 mode)<br>and select                    |               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:28 |
| S60 | 10872 | (PC or computer) and (display near3 mode)<br>and select and change and key |               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:29 |

## EAST Search History (Prior Art)

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S61 | 6466 | (PC or computer) and (display near1 mode) and select and change and key   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:29 |
| S62 | 1591 | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:30 |
| S63 | 335  | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/\$.ccls.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:31 |
| S64 | 44   | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/\$.ccls. and backlight  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:42 |
| S65 | 9    | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/102.ccls. and backlight | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:46 |
| S66 | 0    | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/205.ccls. and backlight | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:46 |
| S67 | 0    | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/205.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 09:47 |
| S68 | 6    | (PC or computer) and (display near1 mode) and select\$5 and (change near1 mode) and "345"/3.1.ccls.               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:05 |

## EAST Search History (Prior Art)

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S69 | 25  | ("20030025717"   "5029112"   "5548346"  <br>"5652845"   "5678173"   "5850265"  <br>"5966185"   "5982449"   "6049359"  <br>"6049821"   "6147713"   "6160491"  <br>"6172719"   "6188439"   "6208326"  <br>"6275267"   "6321383"   "6345388"  <br>"6377251"   "6388713"   "6453071"  <br>"6477184"   "6477185"   "6567117"  <br>"6661414").PN. OR ("6924843").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/05/11 10:04 |
| S70 | 432 | 348/553.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/05/11 10:04 |
| S71 | 1   | (PC or computer) and (display near1 mode)<br>and select\$5 and (change near1 mode) and<br>"348"/553.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:06 |
| S72 | 3   | (PC or computer) and (display near1 mode)<br>and select\$5 and (change near1 mode) and<br>"348"/554.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:08 |
| S73 | 229 | (PC or computer) and (display near1 mode)<br>and select\$5 and (change near1 mode) and<br>"348"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:10 |
| S74 | 2   | (PC or computer) and (display near1 mode)<br>and select\$5 and (change near1 mode) and<br>"348"/14.11.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:15 |
| S75 | 0   | (PC or computer) and (display near1 mode)<br>and select\$5 and (change near1 mode) and<br>"348"/e05.003.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:16 |
| S76 | 0   | "348"/e05.003.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/11 10:16 |

## EAST Search History (Prior Art)

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S77 | 0   | "348"/5.003.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/11 10:19 |
| S78 | 146 | "348"/14.04.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/11 10:19 |
| S79 | 392 | 348/554.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/11 10:24 |
| S80 | 11  | 348/554.ccls. and pc and "s-video"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/11 10:24 |
| S81 | 0   | ("2004/0239821").URPN.  | USPAT   | OR | ON  | 2007/05/11 10:28 |
| S82 | 0   | ("2004/0212730").URPN.  | USPAT   | OR | ON  | 2007/05/11 10:32 |
| S83 | 4   | ((("6768774") or ("6570579")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 10:32 |
| S84 | 7   | ("5784113"   "6211918").PN. OR<br>("6577348").URPN.                                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/05/11 13:08 |
| S85 | 340 | "horizontal synchronization" and backlight  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/05/11 13:10 |
| S86 | 17  | "horizontal synchronization" and backlight<br>and "345"/\$.ccls. and "348"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/05/11 13:17 |
| S87 | 16  | "6445362"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/05/11 13:18 |
| S88 | 2   | ("6445362").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 13:18 |

## EAST Search History (Prior Art)

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S89 | 0   | (345/102.ccls.<br>and(secondnear3signal)andbacklight).CCLS.                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 15:21 |
| S90 | 166 | 345/102.ccls. and (second near3 signal) and<br>backlight                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/05/11 16:41 |
| S91 | 2   | ("20040189679").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 16:42 |
| S92 | 2   | ("20050057519").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 16:43 |
| S93 | 2   | ("20040263465").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/11 16:43 |
| S94 | 10  | ((("20050174818") or ("6188181") or<br>("5828178") or ("6804129") or<br>("6958919")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/14 14:37 |
| S95 | 2   | ("6766222").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/14 18:01 |
| S96 | 2   | ("20040263438").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/14 18:01 |
| S97 | 2   | ("2003/0214478").URPN.   | USPAT   | OR | ON  | 2007/05/15 09:56 |

## EAST Search History (Prior Art)

|          |        |   |   |    |     |                  |
|----------|--------|---|---|----|-----|------------------|
| S98      | 10     | ((("6667585") or ("6674250") or ("5619402") or ("5896120"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/15 10:09 |
| S99      | 2      | ("7057668").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/05/15 10:09 |
| S10<br>0 | 1500   | 345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 10:15 |
| S10<br>1 | 691571 | (liquid near1 crystal) or LCD   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 10:16 |
| S10<br>2 | 1912   | synchroni\$4 near3 inverter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 10:16 |
| S10<br>3 | 47759  | backlight   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 10:16 |
| S10<br>4 | 10     | S100 and S101 and S102  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 10:16 |
| S10<br>5 | 7      | ("20020130628"   "20040056830"  <br>"20040232853"   "20050062436"  <br>"20050285549"   "20060208998"  <br>"6960891").PN. OR ("7221108").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 10:55 |
| S10<br>6 | 2      | ("6714245").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/06 10:55 |

## EAST Search History (Prior Art)

|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S10<br>7 | 8    | ("20010043166"   "5086513"   "5315695"  <br>"5511201"   "6111559"   "6400360"  <br>"6411306").PN. OR ("6714245").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 10:56 |
| S10<br>8 | 21   | ("5247286"   "5313225"   "5406305").PN.<br>OR ("6111559").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 11:11 |
| S10<br>9 | 13   | ("5078476"   "5812149"   "5954820"  <br>"6111559"   "6119023"   "6157143").PN. OR<br>("6404145").URPN.                 | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 12:01 |
| S11<br>0 | 0    | dac and scaler and backlight and S100  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 12:01 |
| S11<br>1 | 12   | scaler and backlight and S100  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2007/12/06 12:01 |
| S11<br>2 | 86   | PWM and inverter and backlight and S100  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/06 13:29 |
| S11<br>3 | 2    | ("6111559").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/12/06 13:29 |
| S11<br>4 | 80   | 345/553.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/07 10:58 |
| S11<br>5 | 167  | 345/1.2.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/07 10:58 |
| S11<br>6 | 1500 | 345/102.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/07 10:58 |
| S11<br>7 | 1571 | 345/211.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/12/07 10:58 |



## EAST Search History (Prior Art)

|          |      |  |                              |    |    |                  |
|----------|------|--|------------------------------|----|----|------------------|
| S11<br>8 | 8    | ((EUN-SUP) near2 (KIM)).INV.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/12/07 10:58 |
| S11<br>9 | 9    | ((EUN-SUP) near2 (KIM)).INV.   | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 14:17 |
| S12<br>0 | 1518 | 345/102.ccls.  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 14:46 |
| S12<br>1 | 28   | back\$1light same inverter same (horizontal<br>near2 synchroniz\$5)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 14:49 |
| S12<br>2 | 8    | "6404145"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 14:49 |
| S12<br>3 | 8    | "6404145"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 15:06 |
| S12<br>4 | 2    | "7098903"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 15:08 |
| S12<br>5 | 2    | "20020075253"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/01 15:08 |
| S12<br>6 | 11   | ("20040036708"   "5583529"   "6307530"  <br>"6327000"   "6356260"   "6437764"  <br>"6480180"   "6535217"   "6535264"  <br>"6545688").PN. OR ("7098903").URPN.                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/01 15:08 |
| S12<br>7 | 6    | ("20050174818"   "4112334"   "5828178"  <br>"6188181"   "6804129"   "6958919").PN. OR<br>("7091947").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/01 16:16 |
| S12<br>8 | 5    | "4112334"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/01 16:16 |
| S12<br>9 | 8    | "6404145"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/02 13:25 |
| S13<br>0 | 1    | 10/811892  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 09:15 |
| S13<br>1 | 2    | "20020075253"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 09:55 |
| S13<br>2 | 8    | "6404145"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/04 11:21 |
| S13<br>3 | 2    | "7098903"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/11 10:03 |
| S13<br>4 | 8    | "6404145"  | US-PGPUB;<br>USPAT           | OR | ON | 2008/08/11 10:03 |
| S13<br>5 | 10   | ("20020000960"   "5412396"   "5757348"  <br>"5828362"   "6111559"   "6119023"  <br>"6404145"   "6476792").PN. OR<br>("6965367").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/11 17:18 |
| S13<br>6 | 25   | ("4964699"   "5122791"   "5185599"  <br>"5262759"   "5345250"   "5359344"  <br>"5379051"   "5602567"   "5606343"  <br>"5736981"   "5910806"   "6057860").PN. OR<br>("6348910").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/11 17:18 |

## EAST Search History (Prior Art)

|          |       |  |   |    |    |                  |
|----------|-------|--|---|----|----|------------------|
| S13<br>7 | 1741  | 345/102.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/12 10:00 |
| S13<br>8 | 30    | "6384816"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/08/14 10:02 |
| S13<br>9 | 12984 | convol\$4 and filter   | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:18 |
| S14<br>0 | 184   | convol\$4 and filter and subframe                                | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:18 |
| S14<br>1 | 243   | convol\$4 and filter and sub\$frame                              | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:18 |
| S14<br>2 | 1     | "20030020809"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:22 |
| S14<br>3 | 3     | "7109981"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:22 |
| S14<br>4 | 7837  | interpola\$4 near3 filter  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:39 |
| S14<br>5 | 218   | interpola\$4 near3 filter and (subframe)                         | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:39 |
| S14<br>6 | 301   | interpola\$4 near3 filter and (sub\$1frame)                      | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:39 |
| S14<br>7 | 148   | interpola\$4 near3 filter same (sub\$1frame)                     | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:41 |
| S14<br>8 | 18    | interpola\$4 near3 filter same (sub\$1frame)<br>same convol\$4   | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:44 |
| S14<br>9 | 0     | "10821135"   | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:57 |
| S15<br>0 | 13    | "10/821135"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 10:57 |
| S15<br>1 | 29    | "6384816"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 11:01 |
| S15<br>2 | 1751  | upsampling and filter  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 11:39 |
| S15<br>3 | 51    | upsampling and (subframe)  | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 11:39 |
| S15<br>4 | 93    | generating and displaying and spatial and<br>offset and subframe | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 12:05 |
| S15<br>5 | 453   | (interpol\$4 or up\$1sample\$4) same<br>sub\$1frame              | US-PGPUB;<br>USPAT  | OR | ON | 2008/08/14 12:25 |

## EAST Search History (Prior Art)

|          |    |   |                              |    |    |                  |
|----------|----|---|------------------------------|----|----|------------------|
| S15<br>6 | 38 | ( "20010000711"   "20020075372"  <br>"20020156364"   "20030020809"  <br>"20030053692"   "20030058228"  <br>"20030090597"   "20040207592"  <br>"4573070"   "4600274"   "4662746"  <br>"4956619"   "5061049"   "5083857"  <br>"5386253"   "5424780"   "5490009"  <br>"5689283"   "5719594"   "5842762"  <br>"5897191"   "5978518"   "5987136"  <br>"6025951"   "6040812"   "6104375"  <br>"6141039"   "6184969"   "6219017"  <br>"6239783"   "6243055"   "6313888"  <br>"6340994"   "6384816"   "6393145"  <br>"6529637"   "6657603"   "RE38726").PN.<br>OR ("7289114").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/08/14 12:28 |
| S15<br>7 | 9  | "6404145"   | US-PGPUB;<br>USPAT           | OR | ON | 2009/01/29 13:50 |
| S15<br>8 | 1  | 10/811892   | US-PGPUB;<br>USPAT           | OR | ON | 2009/01/29 13:56 |
| S15<br>9 | 64 | ( "5574572"   "5781241"   "5861864"  <br>"5874937"   "5914753"   "5917549"  <br>"5943097"   "5982443"   "6069664"  <br>"6091426"   "6108047"   "6118486"  <br>"6144412").PN. OR ("6327000").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/01/29 14:31 |
| S16<br>0 | 87 | ( "4907862"   "4958915"   "4975692"  <br>"4978952"   "5093652"   "5105127"  <br>"5122791"   "5142388"   "5184117"  <br>"5239293"   "5420481"   "5440208"  <br>"5440324"   "5539707").PN. OR<br>("5844540").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/01/29 14:31 |

## EAST Search History (Prior Art)

|          |     |  |                              |    |    |                  |
|----------|-----|--|------------------------------|----|----|------------------|
| S16<br>1 | 111 | ("20020005829"   "20020109821"  <br>"20020122019"   "20020149546"  <br>"20020163526"   "20020167528"  <br>"20020186229"   "20030085906"  <br>"20070001994"   "2412098"   "3699244"  <br>"4390893"   "4751535"   "4800375"  <br>"4843381"   "4843573"   "4892391"  <br>"4952972"   "4985853"   "4994901"  <br>"5042921"   "5087610"   "5166755"  <br>"5184114"   "5188452"   "5191450"  <br>"5214418"   "5233183"   "5233385"  <br>"5243414"   "5365283"   "5416890"  <br>"5447811"   "5455600"   "5528317"  <br>"5563621"   "5588050"   "5592188"  <br>"5614925"   "5625424"   "5631734"  <br>"5642176"   "5650832"   "5650942"  <br>"5657036"   "5668572"   "5724062"  <br>"5736754"   "5740334"   "5751385"  <br>"5812303"   "5835099"   "5841494"  <br>"5844540"   "5844699"   "5863125"  <br>"5870530"   "5872898"   "5892891"  <br>"5909227"   "5982347"   "5982541"  <br>"5999153"   "5999278"   "6018237"  <br>"6058207"   "6069601"   "6072464"  <br>"6097367"   "6144420"   "6147720"  <br>"6191826"   "6198512"   "6220710"  <br>"6231190"   "6236390"   "6236406"  <br>"6239783"   "6246396"   "6256073"  <br>"6259430"   "6262710"   "6262744"  <br>"6280034"   "6304237"   "6310591"  <br>"6324006"   "6366291"   "6380961"  <br>"6388648"   "6407766"   "6456301"  <br>"6459425"   "6467910"   "6477270"  <br>"6538742"   "6549213"   "6567134"  <br>"6570584"   "6580482"   "6594387"  <br>"6633302"   "6674489"   "6750992"  <br>"6865292"   "6870523"   "6912017"  <br>"6972736"   "7113152"   "7129955").PN. OR<br>("7471822").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/01/29 14:38 |
| S16<br>2 | 9   | ((EUN-SUP) near2 (KIM)).INV.   | US-PGPUB;<br>USPAT           | OR | ON | 2009/01/29 14:38 |
| S16<br>3 | 6   | 2001/0022584   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/01/29 14:41 |
| S16<br>4 | 6   | ("20010022584"   "20010055009"  <br>"20020003525"   "20020021273"  <br>"5574336"   "6429603").PN. OR<br>("7348959").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/01/29 14:41 |

## EAST Search History (Prior Art)

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S16<br>5 | 25   | ("20010022584"   "20020003522"  <br>"20020097916"   "20030001815"  <br>"20030210247"   "20040174369"  <br>"20040233307"   "5488434"   "5532719"  <br>"5745770"   "5760760"   "5854617"  <br>"5875345"   "6111559"   "6278436"  <br>"6346937"   "6388388"   "6466196"  <br>"6552749"   "6553153"   "6611249"  <br>"6633687"   "6647501"   "6731290"  <br>"6897843").PN. OR ("7348957").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2009/01/29 14:42 |
| S16<br>6 | 1700 | 345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2009/01/29 14:43 |
| S16<br>7 | 145  | 345/1.2.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2009/01/29 14:44 |
| S16<br>8 | 1669 | 345/211.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2009/01/29 14:44 |
| S16<br>9 | 494  | 348/553.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2009/01/29 14:44 |
| S17<br>0 | 0    | "10819302"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/02/02 08:18 |
| S17<br>1 | 9    | "6404145"   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19 13:29 |
| S17<br>2 | 1    | 10/811892   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19 14:36 |
| S17<br>3 | 1    | "20030038754"   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/05/19 14:58 |
| S17<br>4 | 7    | ((("20030090441") or ("20040108974") or<br>("6512501")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/05/20 12:41 |
| S17<br>5 | 0    | (10/811892).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/08/21 12:59 |
| S17<br>6 | 1    | 10/811892   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/08/21 12:59 |
| S17<br>7 | 9    | "6404145"   | US-PGPUB;<br>USPAT  | OR | ON  | 2009/08/21 13:01 |

## EAST Search History (Prior Art)

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S17<br>8 | 2    | 10/849549  | US-PGPUB;<br>USPAT  | OR | ON | 2009/08/21 13:45 |
| S17<br>9 | 6    | ("20010022584"   "20010055009"  <br>"20020003525"   "20020021273"  <br>"5574336"   "6429603").PN. OR<br>("7348959").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/08/21 13:45 |
| S18<br>0 | 3    | inverter same scaler same back\$1light and<br>(horizontal near3 synchronization)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/08/21 13:51 |
| S18<br>1 | 1    | 10/811892  | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08 16:32 |
| S18<br>2 | 9    | "6404145"  | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/08 16:36 |
| S18<br>3 | 2161 | 345/102.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/09/09 08:07 |
| S18<br>4 | 9    | ((EUN-SUP) near2 (KIM)).INV.   | US-PGPUB;<br>USPAT  | OR | ON | 2009/09/09 08:07 |
| S18<br>5 | 6    | ("20010022584"   "20010055009"  <br>"20020003525"   "20020021273"  <br>"5574336"   "6429603").PN. OR<br>("7348959").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 08:09 |
| S18<br>6 | 295  | back\$1light same inverter same off  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 08:58 |
| S18<br>7 | 20   | back\$1light same inverter same off same<br>horizontal   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 08:58 |
| S18<br>8 | 2    | "7098903"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 09:03 |
| S18<br>9 | 1    | 10/811892  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 09:10 |
| S19<br>0 | 3    | backlight same inverter near10 background  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 09:17 |
| S19<br>1 | 2    | "6657838"  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 09:18 |
| S19<br>2 | 26   | ("4964699"   "5122791"   "5185599"  <br>"5262759"   "5345250"   "5359344"  <br>"5379051"   "5602567"   "5606343"  <br>"5736981"   "5910806"   "6057860").PN. OR<br>("6348910").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 12:53 |

## EAST Search History (Prior Art)

|          |    |   |                              |    |    |                  |
|----------|----|---|------------------------------|----|----|------------------|
| S19<br>3 | 14 | ("4411496"   "5774197"   "6005646"  <br>"6069620"   "6476792"   "6671009").PN. OR<br>("7019728").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/09/09 12:53 |
| S19<br>4 | 6  | ("20050174818"   "4112334"   "5828178"  <br>"6188181"   "6804129"   "6958919").PN. OR<br>("7091947").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/09/09 12:56 |
| S19<br>5 | 94 | ("4907862"   "4958915"   "4975692"  <br>"4978952"   "5093652"   "5105127"  <br>"5122791"   "5142388"   "5184117"  <br>"5239293"   "5420481"   "5440208"  <br>"5440324"   "5539707").PN. OR<br>("5844540").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/09/09 12:56 |
| S19<br>6 | 10 | ("20050117190"   "20050219394"  <br>"20050248520"   "20060055834"  <br>"5844540"   "6628248"   "6636190"  <br>"7138974"   "7172295"   "7385565").PN. OR<br>("7570240").URPN.                                    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/09/09 12:57 |

## EAST Search History (Prior Art)

|          |     |  |    |                  |
|----------|-----|--|----|------------------|
| S19<br>7 | 372 | ("20010036096"   "20020030451"   US-PGPUB; OR<br>"20020097004"   "20020114114"   USPAT;<br>"20020118182"   "20020130786"   USOCR<br>"20020135319"   "20020140538"<br>"20020145886"   "20020153852"<br>"20020171376"   "20020180380"<br>"20020180572"   "20020181260"<br>"20020195971"   "20030001524"<br>"20030020677"   "20030025462"<br>"20030080695"   "20030090913"<br>"20030117084"   "20030141829"<br>"20030161164"   "20030227435"<br>"20040000879"   "20040012556"<br>"20040017348"   "20040032223"<br>"20040051473"   "20040145558"<br>"20040155596"   "20040155853"<br>"20040189217"   "20040257003"<br>"20040263092"   "20050062436"<br>"20050093471"   "20050093472"<br>"20050093482"   "20050093483"<br>"20050093484"   "20050094372"<br>"20050099143"   "20050156536"<br>"20050156539"   "20050156540"<br>"20050162098"   "20050218825"<br>"20050225261"   "20060022612"<br>"20060049959"   "2429162"   "2440984"<br>"2572258"   "2965799"   "2968028"<br>"3141112"   "3449629"   "3565806"<br>"3597656"   "3611021"   "3683923"<br>"3737755"   "3742330"   "3916283"<br>"3936696"   "3944888"   "4053813"<br>"4060751"   "4204141"   "4277728"<br>"4307441"   "4353009"   "4388562"<br>"4392087"   "4437042"   "4441054"<br>"4463287"   "4469988"   "4480201"<br>"4523130"   "4543522"   "4544863"<br>"4555673"   "4562338"   "4567379"<br>"4572992"   "4574222"   "4585974"<br>"4622496"   "4626770"   "4630005"<br>"4663566"   "4663570"   "4672300"<br>"4675574"   "4682080"   "4686615"<br>"4689802"   "4698554"   "4700113"<br>"4717863"   "4745339"   "4761722"<br>"4766353"   "4779037"   "4780696"<br>"4792747").PN. OR ("4812781"   "4847745"<br>  "4862059"   "4885486"   "4893069"<br>"4902942"   "4939381"   "4998046"<br>"5023519"   "5030887"   "5036255"<br>"5049790"   "5057808"   "5083065"<br>"5089748"   "5105127"   "5130565"<br>"5130635"   "5173643"   "5220272"<br>"5235254"   "5289051"   "5317401"<br>"5327028"   "5349272"   "5410221"<br>"5420779"   "5430641"   "5434477"<br>"5440208"   "5463287"   "5471130"<br>"5475284"   "5475285"   "5479337"<br>"5485057"   "5485059"   "5485487"<br>"5493183"   "5495405"   "5510974"<br>"5514947"   "5519299"   "5528192"<br>"5539281"   "5548189"   "5552697"<br>"5557242"   "5558172"   "5558543"<br>"5558543"   "5558543"   "5558543" | ON | 2009/09/09 12:58 |
|----------|-----|--|----|------------------|



## EAST Search History (Prior Art)

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S19<br>8 | 134  | horizontal near10 signal near10 transien\$4   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 13:13 |
| S19<br>9 | 1    | horizontal near10 signal near10 transien\$4<br>and back\$1light   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2009/09/09 13:13 |
| S20<br>0 | 9    | ((EUN-SUP) near2 (KIM)).INV.  | US-PGPUB;<br>USPAT  | OR | ON | 2010/03/08 15:54 |
| S20<br>1 | 2356 | 345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/08 15:54 |
| S20<br>4 | 67   | inverter same (horizontal near10<br>synchronization) same (detect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/03/08 15:56 |
| S20<br>5 | 22   | ("4060975"   "5111190"   "5189401"  <br>"5404153"   "5521614").PN. OR<br>("5781185").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 15:57 |
| S20<br>6 | 11   | ("5406308"   "5731798"   "5757365"  <br>"5781185"   "5859635"   "5940061"  <br>"5966119"   "6069619").PN. OR<br>("6525720").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 15:58 |
| S20<br>7 | 18   | ("5389952"   "5396635"   "5428790"  <br>"5430493"   "5555032"   "5586333"  <br>"5670972"   "5949400").PN. OR<br>("6069619").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 15:58 |
| S20<br>8 | 9    | ("5949400"   "6034665"   "6069619"  <br>"6069660"   "6211629"   "6339412").PN. OR<br>("6541927").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 15:59 |
| S20<br>9 | 10   | "6404145"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 16:09 |
| S21<br>0 | 8    | ("20050007137"   "3894284"   "5912514"  <br>"6384608"   "6404145"   "6700361"  <br>"6943683"   "7058484").PN. OR<br>("7589519").URPN.         | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 16:11 |
| S21<br>1 | 29   | ("5065357"   "5315695"   "5493685"  <br>"5839812"   "5970419"   "6111559"  <br>"6219021"   "6268844"   "6404145").PN. OR<br>("6597339").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 16:20 |
| S21<br>2 | 15   | ("5078476"   "5812149"   "5954820"  <br>"6111559"   "6119023"   "6157143").PN. OR<br>("6404145").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2010/03/08 16:24 |

## EAST Search History (Prior Art)

|          |      |   |                              |    |    |                  |
|----------|------|---|------------------------------|----|----|------------------|
| S21<br>3 | 10   | ("5272327"   "5786801"   "5996082"  <br>"6252355"   "6404145").PN. OR<br>("6961044").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:26 |
| S21<br>4 | 65   | ("4760389"   "4788588"   "4952117"  <br>"4997263"   "5105186"   "5157525"  <br>"5164849"   "5270818"   "5315695"  <br>"5337073"   "5384577"   "5406305"  <br>"5485172"   "5488434"   "5617112"  <br>"5670985").PN. OR ("5786801").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:28 |
| S21<br>5 | 1    | 10/811892   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:39 |
| S21<br>6 | 10   | "6404145"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:42 |
| S21<br>7 | 0    | "10811892"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:56 |
| S21<br>8 | 1    | "10/811892"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/08 16:56 |
| S21<br>9 | 2141 | 345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:40 |
| S22<br>0 | 65   | 345/102.ccls. and mode near3 change   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:40 |
| S22<br>1 | 8    | ("4818979"   "4827255"   "5479188"  <br>"5539432"   "5636041"   "5734362").PN. OR<br>("5914700").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:43 |
| S22<br>2 | 18   | horizontal near3 synchroniz\$4 same<br>back\$light same off   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:44 |
| S22<br>3 | 1    | scramble same partial same display  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:49 |
| S22<br>4 | 1605 | (scramble dis\$1able enable) same partial<br>same display   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:51 |
| S22<br>5 | 22   | (scramble dis\$1able enable) same partial<br>same display same pay  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:51 |
| S22<br>6 | 1    | (scramble) same (partial part) same display<br>same pay   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 10:57 |
| S22<br>7 | 7    | ("20050231457" "20060007102" "20060109<br>234" "20060139298" "6636190" "7138974"  <br>"7262754").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:14 |

## EAST Search History (Prior Art)

|          |      |   |                              |    |    |                  |
|----------|------|---|------------------------------|----|----|------------------|
| S22<br>8 | 1449 | back\$light same off same mode  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:20 |
| S22<br>9 | 133  | back\$light same off same mode and<br>345/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:20 |
| S23<br>0 | 45   | ("5225822"   "5315695"   "5396443"  <br>"5412396"   "5428366"   "5440324"  <br>"5454112"   "5479187"   "5598565").PN. OR<br>("5796382").URPN.             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:22 |
| S23<br>1 | 17   | ("3747322"   "4293927"   "4747041"  <br>"4768162"   "4782355"   "4855892"  <br>"4887165"   "5008846"   "5065357"  <br>"5305233").PN. OR ("5454112").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:27 |
| S23<br>2 | 205  | horizontal same back\$light same off  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:28 |
| S23<br>3 | 30   | ("3975661"   "4669053"   "4769753"  <br>"4958915"   "5078476").PN. OR<br>("5184117").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 11:30 |
| S23<br>4 | 40   | ("4758799"   "4792857"   "4848876"  <br>"4985638"   "4985662"   "5006933").PN. OR<br>("5078476").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 12:01 |
| S23<br>5 | 35   | "5078476"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/09 16:04 |
| S23<br>6 | 6    | back\$1light and (signal near3 (converter<br>convert\$4)) and (sync or synchronization<br>synchroniz\$4) and (scaler or scal\$5) and<br>(ON and OFF)      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:57 |
| S23<br>7 | 1319 | back\$1light and (signal near3 (converter<br>convert\$4)) and (sync or synchronization<br>synchroniz\$4) and (scaler or scal\$5)                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:58 |
| S23<br>8 | 563  | back\$1light and (signal near3 (converter<br>convert\$4)) and (sync or synchronization<br>synchroniz\$4) and (scaler or scal\$5) and<br>"345"/\$5.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:58 |
| S23<br>9 | 55   | back\$1light and (signal near3 (converter<br>convert\$4)) and (sync or synchronization<br>synchroniz\$4) and (scaler or scal\$5) and<br>"345"/204.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:58 |
| S24<br>0 | 91   | back\$1light and (signal near3 (converter<br>convert\$4)) and (sync or synchronization<br>synchroniz\$4) and (scaler or scal\$5) and<br>"345"/102.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:58 |
| S24<br>1 | 145  | S239 or S240  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/03/23 10:58 |

## EAST Search History (Prior Art)

|          |    |                                    |   |    |     |                  |
|----------|----|------------------------------------|---|----|-----|------------------|
| S24<br>2 | 1  | 10/811892                          | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON  | 2010/03/23 10:59 |
| S24<br>3 | 4  | ((("6404145") or ("5078476"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/23 11:12 |
| S24<br>4 | 2  | ("6404145").PN.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/23 11:33 |
| S24<br>5 | 0  | (10/811892).CCLS.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/23 11:40 |
| S24<br>6 | 1  | (10/811892).APP.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/03/23 11:40 |
| S24<br>7 | 2  | ("6404145").PN.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2010/06/28 11:40 |
| S24<br>8 | 1  | 10/811892                          | US-PGPUB;<br>USPAT  | OR | ON  | 2010/06/28 11:42 |
| S24<br>9 | 35 | "5078476"                          | US-PGPUB;<br>USPAT  | OR | ON  | 2010/06/28 11:49 |
| S25<br>0 | 0  | "10811892"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/09/18 10:36 |
| S25<br>1 | 1  | "10/811892"                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2010/09/18 10:36 |

### EAST Search History (Prior Art)

|          |    |           |   |    |    |                  |
|----------|----|-----------|---|----|----|------------------|
| S25<br>2 | 12 | "6404145" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/09/18 12:47 |
|----------|----|-----------|---|----|----|------------------|

### EAST Search History (Interference)

|  |  |                                  |  |  |  |
|--|--|----------------------------------|--|--|--|
|  |  | < This search history is empty > |  |  |  |
|--|--|----------------------------------|--|--|--|